

CLAIMS

WHAT IS CLAIMED IS:

1. A capacitance charge device with adjustable clamping voltage, including:
 - a high-farad capacitance;
 - 5 a power supply device, for charging the high-farad capacitance;
 - a switch device, connected to the power supply device and the high-farad capacitance for controlling the on/off conductions between the power supply device and the high-farad capacitance through the on/off switch operations; and
 - 10 a clamping circuit, connected between the switch device and the high-farad capacitance and also connected to the output terminal of the power supply device; besides, the clamping circuit contains a clamping voltage that can be compared with the actual voltage so as to control the on/off operations of the switch device and in turn control the on/off conductions between the
 - 15 power supply device and the capacitance.
2. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein the power supply device is a battery.
3. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein the switch device is a transistor.
- 20 4. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein the switch device is a comparator.
5. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein the clamping circuit is composed of a Zener Diode, at least one transistor, and a plurality of resistors.

6. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein the clamping circuit is composed of a Zener Diode and a plurality of resistors.
7. The capacitance charge device with adjustable clamping voltage as claimed
5 in claim 1, wherein the clamping voltage has at least 1.8 volt.
8. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein when the actual voltage is lower than the clamping voltage, the switch device controlled by the clamping circuit will be closed for turning off the conduction between the power supply device and the
10 high-farad capacitance and for clamping the electric potential of the power supply device.
9. The capacitance charge device with adjustable clamping voltage as claimed in claim 1, wherein when the actual voltage is higher than the clamping voltage, the switch device controlled by the clamping circuit will be opened
15 for turning on the conduction between the power supply device and the high-farad capacitance so that the power supply device can charge to the high-farad capacitance.